

(FILE 'HOME' ENTERED AT 15:13:49 ON 04 MAY 2001)

FILE 'CAPLUS, USPATFULL' ENTERED AT 15:14:15 ON 04 MAY 2001

L1	2 S	ALKYNEDIOLS (P)	KETONES (P)	ALKOXIDES
L2	4 S	ALKYNDIOLS		
L3	66940 S	ACETYLENE		
L4	666 S	ALKYNOLS		
L5	113 S	L3 AND L4		
L6	0 S	POTASSIM	ALKOXIDE	
L7	991 S	POTASSIUM	ALKOXIDE	
L8	6 S	L5 AND L7		

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Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: BE 763306 A, CA 942749 A, CH 554822 A, DE 2008675 A, FR 2078998 A, GB 1329815 A, JP 46001668 A

L1: Entry 1 of 1

File: DWPI

DERWENT-ACC-NO: 1971-56926S

DERWENT-WEEK: 197135

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TITLE: Acetylene glycols prepn

PATENT-ASSIGNEE:

ASSIGNEE

CODE

BADISCHE ANILIN & SODA FAB AG

BADI

PRIORITY-DATA: 1970DE-2008675 (February 25, 1970)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
BE 763306 A		N/A	000	N/A
<u>CA 942749 A</u>	February 26, 1974	N/A	000	N/A
CH 554822 A	October 15, 1974	N/A	000	N/A
DE 2008675 A		N/A	000	N/A
FR 2078998 A		N/A	000	N/A
GB 1329815 A		N/A	000	N/A
JP 46001668 A		N/A	000	N/A

INT-CL (IPC): C07C 33/04

ABSTRACTED-PUB-NO: BE 763306A

BASIC-ABSTRACT:

In the formation of tertiary acetylene glycols from acetylene and a ketone in an aliphatic, cycloaliphatic or aromatic hydrocarbon solvent, the reaction is effected in the presence of a potassium alcoholate (pref. K butyrate) prepd from a primary or secondary alcohol having a limited solubility in water e.g. a solubility of 0.5-30 g (esp. 5-20 g) in 100g water at 20 degrees C.

Pref. the ketone is acetone, methlacetone, cyclohexanone, benzophenone, 1,2,2,5-tetramethyl-piperid-4-one or 2,6,10-trimethyl-pentadecan-14-one and the reaction is at 20-50 degrees C.

The products are starting materials for insecticides (chrysantheme carboxylic acid) terpene type perfumes, surfactants and peroxides useful as polymerisation initiators.

TITLE-TERMS: ACETYLENE PREPARATION

DERWENT-CLASS: C03 E17

ANSWER 1 OF 2 CAPLUS COPYRIGHT 2001 ACS

AN 2000:839080 CAPLUS
 DN 134:4688
 TI Process and basic catalysts for the preparation of alkynediols by the addition reaction of acetylene with ketones or aldehydes
 IN Kindler, Alois; Preiss, Thomas; Henkelmann, Jochem
 PA Basf Aktiengesellschaft, Germany
 SO Eur. Pat. Appl., 5 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1055655	A2	20001129	EP 2000-110914	20000524
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	DE 19924020	A1	20001130	DE 1999-19924020	19990526
	JP 2001002607	A2	20010109	JP 2000-155227	20000525
PRAI	DE 1999-19924020	A	19990526		

OS MARPAT 134:4688
 AB Alkynediols R1(R2)C(OH)C.tplbond.CC(OH)(R2)R1 [R1, R2 = H, C1-20 (un)substituted (un)satd. hydrocarbonyl] (e.g., 2-butyne-1,4-diol) are prepd. by the addn. reaction of ketones or aldehydes R1COR2 (e.g., paraformaldehyde) with acetylene in the presence of basic Group IA salt catalysts (e.g., potassium allyl alcoholate).

L1 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2001 ACS

AN 2000:133647 CAPLUS
 DN 132:151484
 TI Production of alkynediols from the reaction of alkynes with ketones in the presence of potassium alcoholates
 IN Kindler, Alois; Brunner, Melanie; Tragut, Christian; Henkelmann, Jochem
 PA BASF Aktiengesellschaft, Germany
 SO PCT Int. Appl., 19 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000009465	A1	20000224	WO 1999-EP5933	19990813
	W: CA, CN, IN, JP, KR, RU, US RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	DE 19837211	A1	20000224	DE 1998-19837211	19980817
PRAI	DE 1998-19837211		19980817		

OS CASREACT 132:151484
 AB Alkynediols (e.g., 1,5-dimethyl-1,5-dihydroxy-3-hexyne) are prepd. in high

yield and selectivity by reacting ketones (e.g., acetone) with acetylenic hydrocarbons (e.g., acetylene) in an org. solvent (e.g., xylenes) in the presence of a base which contains potassium alcoholates of primary and/or secondary alcs. (e.g., potassium sec-butyrate). The alkyne diols are produced while forming adducts which ppt. out of the reaction mixt. and which are comprised of alkyne monoalcs. and/or alkynediols and a base;

the stoichiometries of the reaction partners are selected such that gelatinous

adducts are formed which comprise a spherical surface, whereby the reaction mixt. remains mixable during the entire reaction.

RE.CNT 2

RE

(1) Basf; DE 2008675 A 1971 CAPLUS

(2) Basf; DE 2047446 A 1972 CAPLUS